

# Deepwater Drilling Operations

**Where  
Safety and  
Security are  
Paramount**



**Diversified Well Logging** has long been a leader in Gulf of Mexico offshore operations, taking pride in its commitment to providing the highest level of service; helping mitigate major incidents, reducing costly non-productive time, and above all, protecting personnel and equipment in this challenging environment.

Our services include:

- Standard or Hybrid Mud Logging
- Standard Gas and/or Mass Spectrometry
- Rigsite and Remote Operations Monitoring
- Pore Pressure and Kick Detection
- Integrated MPD Services
- Twenty-Four Hour Shore-Based Support



## SERVICES that SAVE

With industry figures putting the cost of NPT at between 10% and 40% of an operator's budget, with wellbore instability issues causing nearly half of that NPT, simple math can show that many millions of dollars could be saved by using modern-day, cost-effective, real-time solutions that predict and prevent many costly incidents.

## GAS and GEOLOGY

The foundation of everything. Formation evaluation on its own will indicate stability issues, pressures, and provide first look reservoir interpretation. DWL offers high-level chromatography, mass spectrometry, and XRF analysis as part of its geological services. We also offer cavings analysis as part of our pore pressure package. And, with XRF and modelled mineralogy can collect data for better estimation of rock density and overburden gradients.

## PORE PRESSURE TRENDS

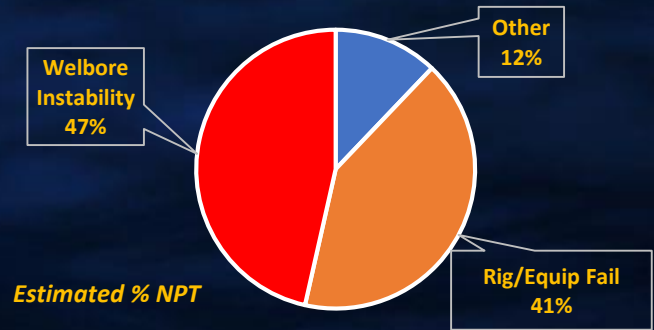
Using geology, gas, traditional Drilling Exponents, and by following drilling parameters, onsite data engineers can interpret formation pressure trends. By use of 'intelligent' software (SafeVision from SafeKick) and input from downhole tools, models can effectively manage the ECD keeping it within the bounds of pore and fracture pressure. This software also monitors pit and flow events for early kick detection. It is run remotely and at the rig-site.

## PRESSURE MANAGEMENT

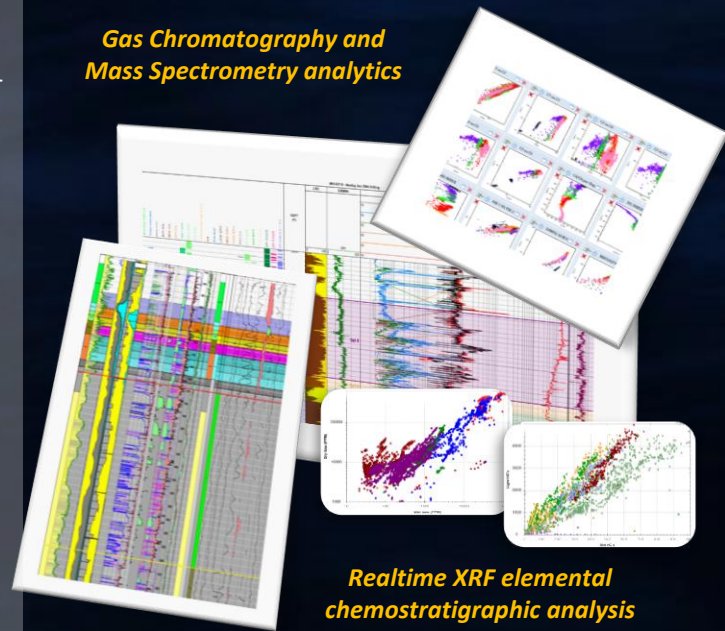
With SafeVision software, DWL can follow trends and advise when ECD and formation pressure limits are being reached. The integrated display has modelled and actual data allowing comparison of the variables. The display also integrates a well sketch and the geological sequence. Of importance are pre-well studies for the most accurate predictive modelling. Studies that DWL experts will complete in collaboration with client drilling engineers and geologists.

## PERSONNEL

Diversified Well Logging has the expertise necessary for the demanding Deepwater environment. Whether geologists, pressure engineers, drilling specialists, or technical support staff, you can always trust our professionals.



## Gas Chromatography and Mass Spectrometry analytics



## Pressure trend monitoring, analysis, and kick detection



## Contact Diversified:

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